

Building Renewal Grant Application

Initial Submission Date:

Application ID: 601

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Tolleson Elementary District

Superintendent:

Contact Person:

Contact Phone Number:

Contact Email:

School Site: Arizona Desert Elementary (formerly Tolleson Early Childhood Center)

Buildings:

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

The control system at Arizona Desert is designed to run on Niagara platform (central computer) with Auto-Matrix controllers.

Issues:

- 1)The Niagara software is a demo version and is not licensed to the district.The demo version expires June 2014.
- 2)34 units out of total of 73 units are inaccessible from the central computer (front-end) at the district , and cannot be controlled (change set-points, change schedule etc.) by the district personnel.
- 3)The hard-wired connections between controller and router are disrupted. The wires are spliced and some wires are completely disconnected.

Solution:

- 1)A unit by unit site investigation will have to be performed, verifying communication between sensors & controllers and controllers & routers. The spliced or disconnected wires will have to be replaced or reconnected. The non-functioning sensors and controllers will have to be replaced.
- 2)It is cost-effective to replace controllers with BacNet compatible thermostat. The cost to replace controller with programming is approximately \$1000 per controller. The cost to install BacNet compatible thermostat is \$300 per thermostat.

Project Category: HVAC

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Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school?

Available Funding

Current unencumbered building renewal fund balance (Fund 690): Amount of Local funds planned for this project
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Please outline any associated insurance coverage.

Liaison: Breuer gbreuer@azsfb.gov 602-542-6139

Superintendent Printed Name

Superintendent Signature

Date